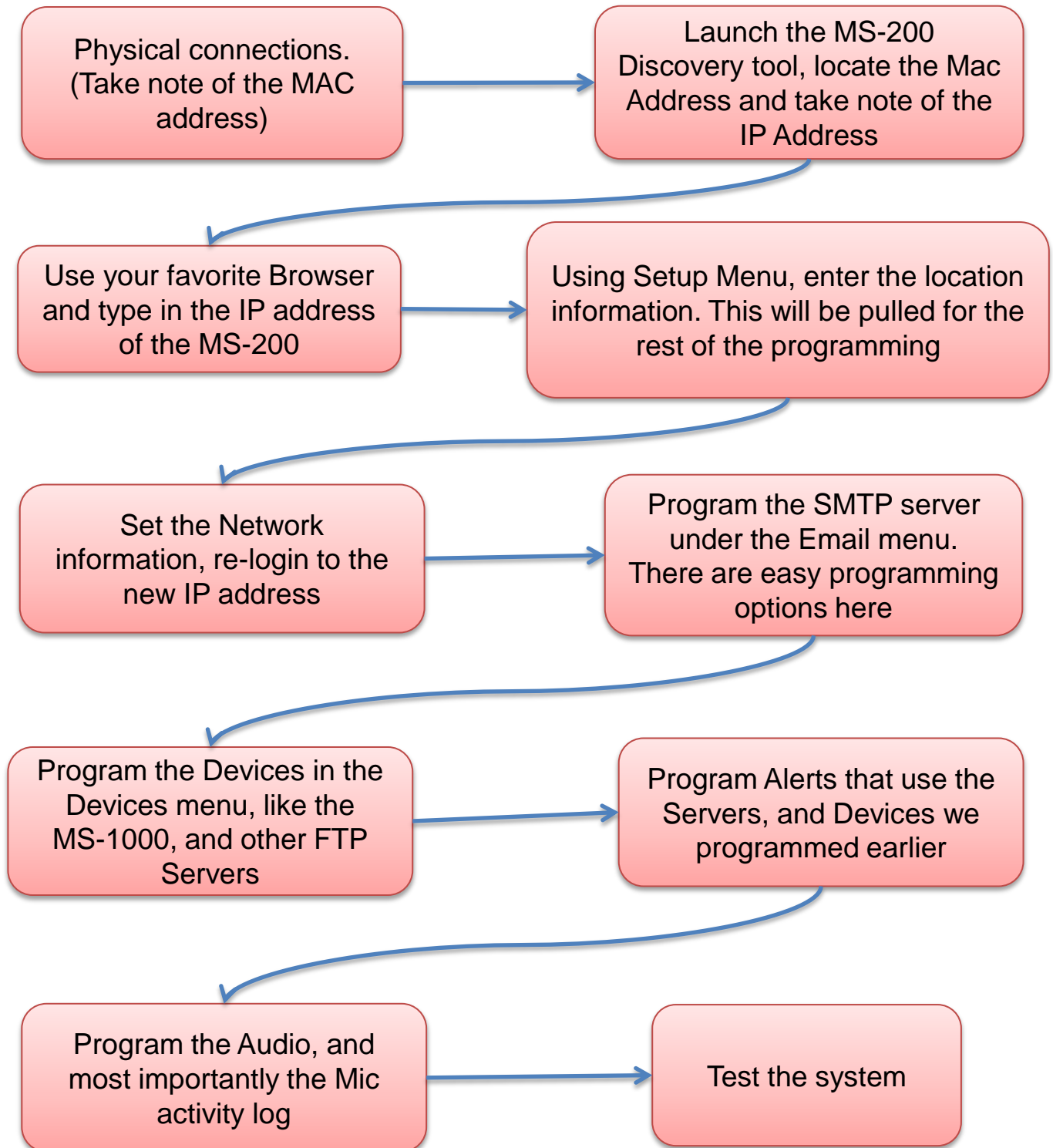




SAFE System Network Interface

What you will be learning

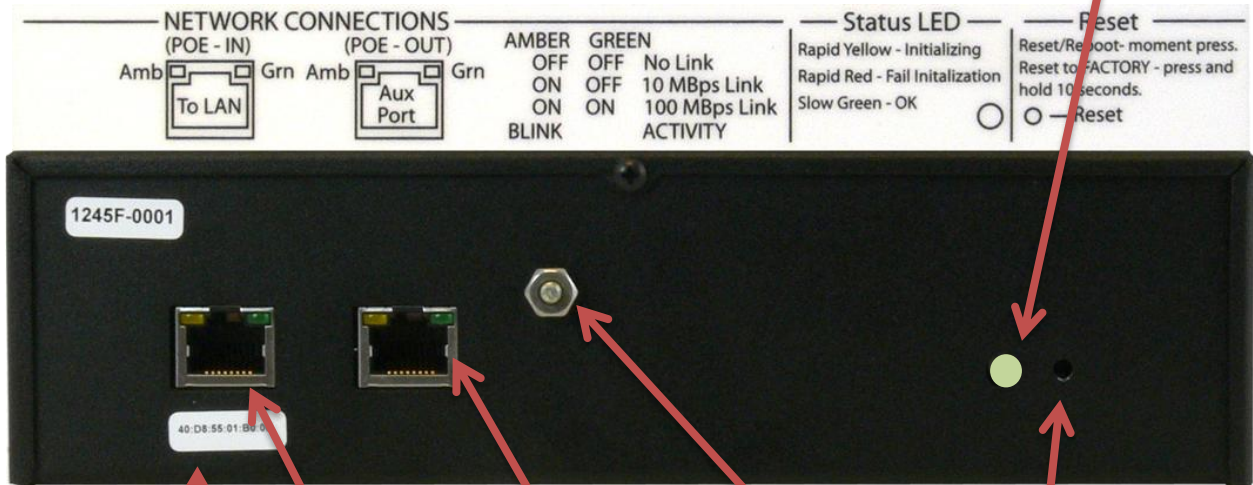


MS-200 Network Connections

Status Mode Indicator:

- **Rapid Yellow** - Unit is initializing
- **Rapid Red** - Initialization failed
- **Slow Red** - Initialized, some critical devices were not detected
- **Slow Yellow** - Initialized, some non-critical devices were not detected
- **Slow Green** - Initialized, all are devices connected

Status Mode Indicator



MAC Address

Input from the
School's
Network

Connection for
External Network
Device –
provides POE
power to
external Device

Earth Ground

Reset Button

- Press and Release – Restart MS-200

MS-200 Re-Boots

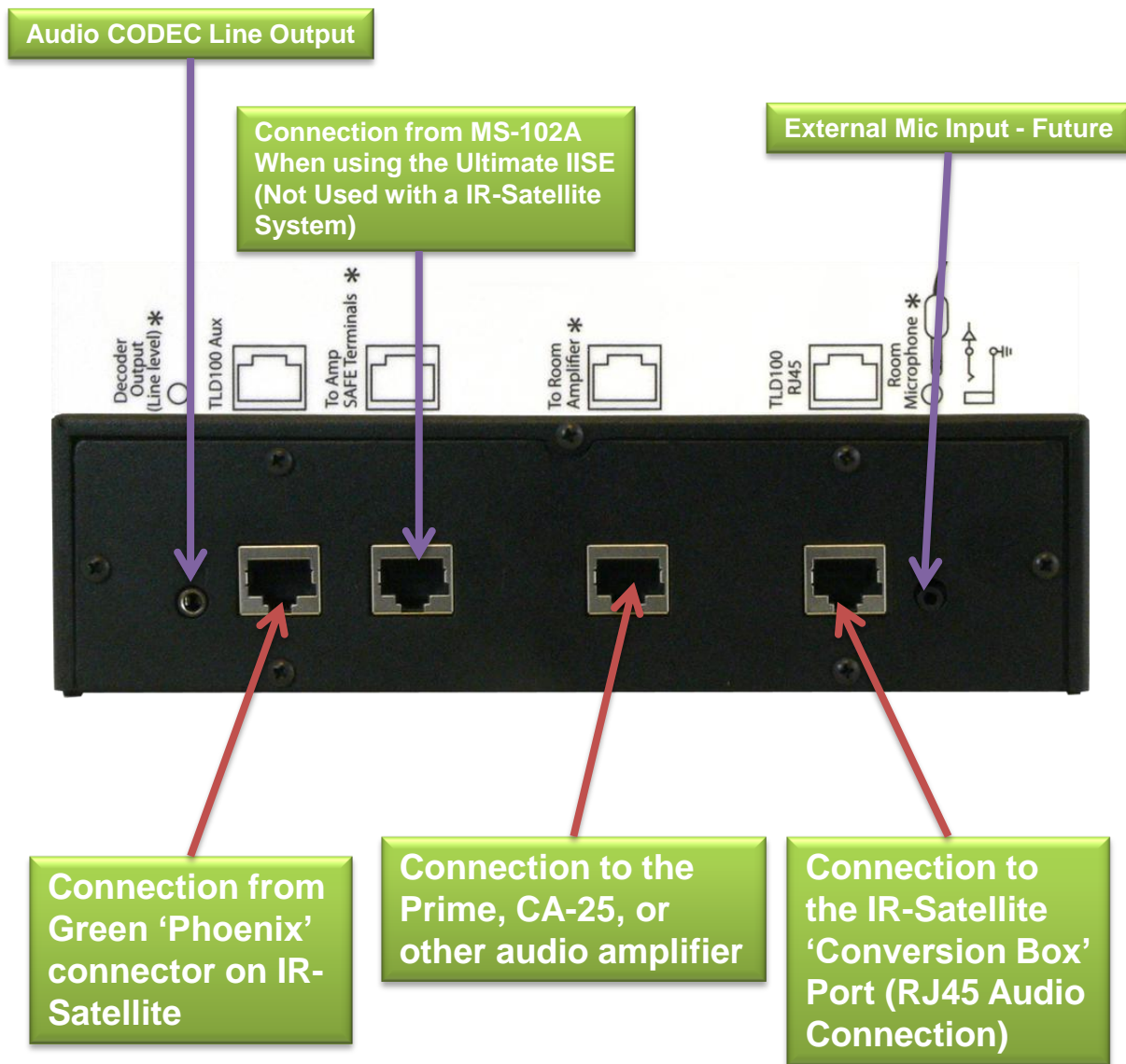
- Press and Hold for More than 10 Seconds – then release

Factory Reset – All Settings defaulted

Note: Because of the POE pass through feature, it is important to insure that the network is connected to the correct jack

Reset switch is recessed inside the unit, use small pen tip or paper clip to press reset switch.

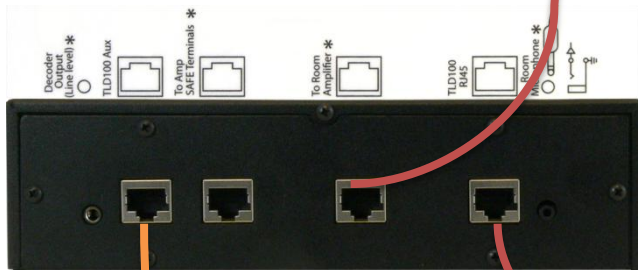
MS-200 Satellite & Audio Connections



Connection Diagram MS-200

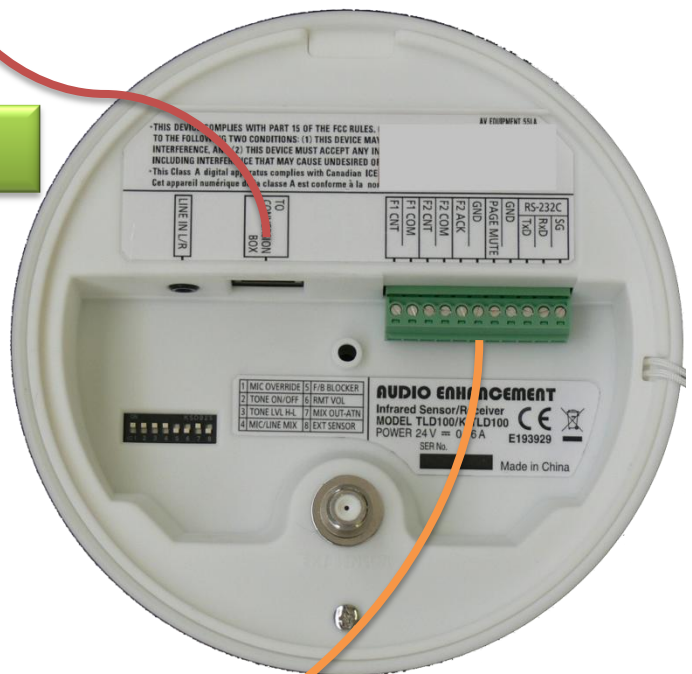
Cat 5 Cable From MS-200
to Breakout box

3.5 TRS Output in the
MIX OUT port. TIP:(+) Ring(-) Sleeve(G) To
amplifier

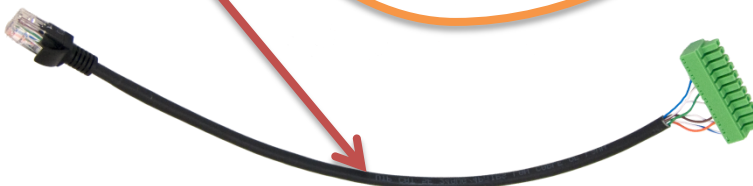


Existing Audio System

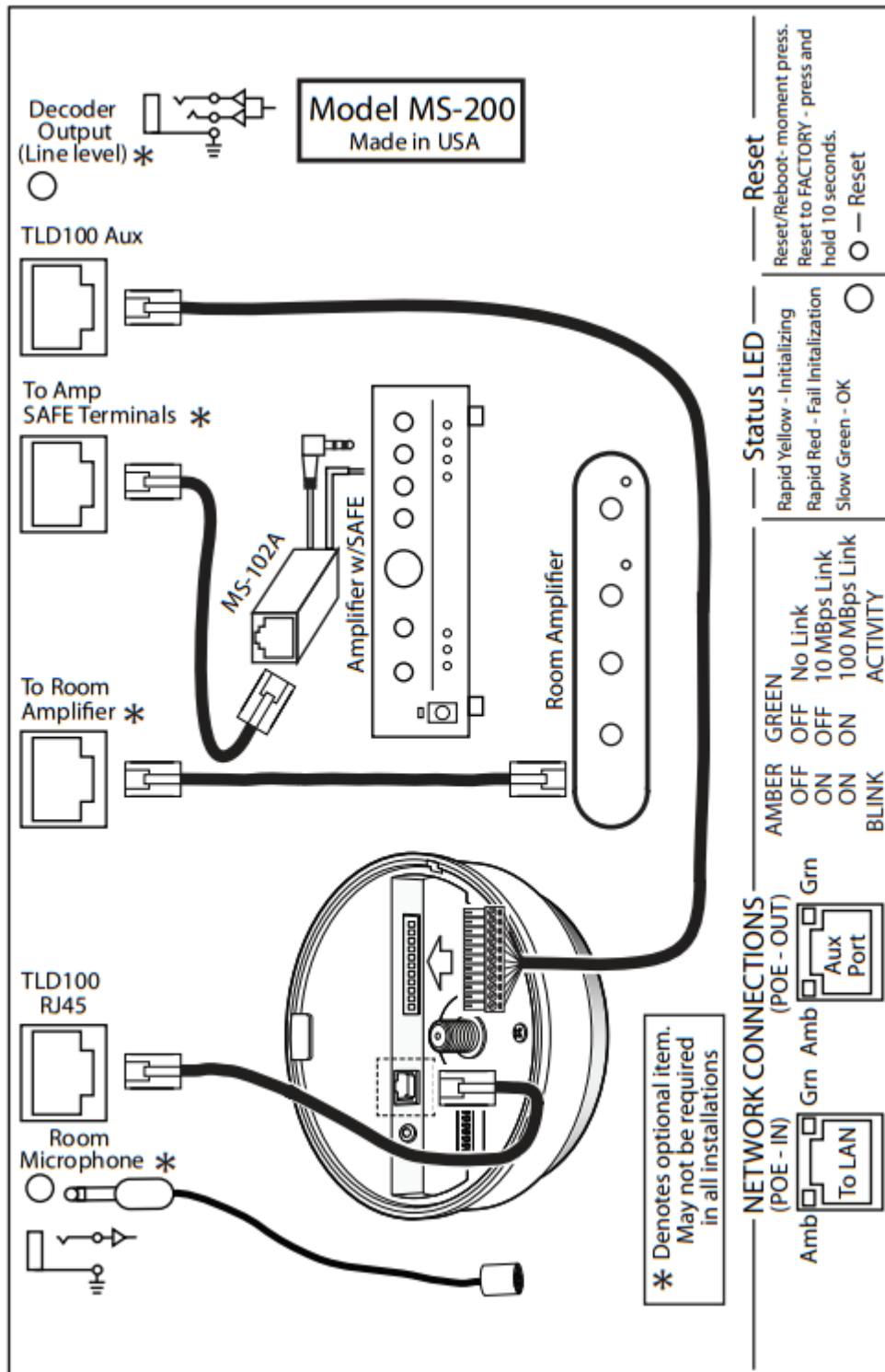
Cat5 Cable From MS-200
to TLD100



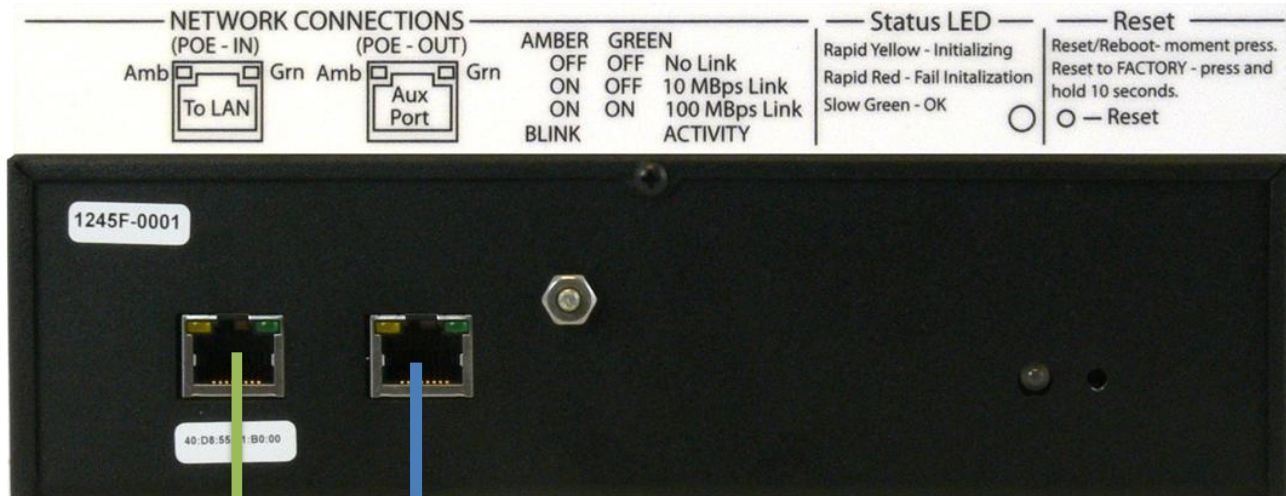
RJ45 to Euro connector
Cable from MS-200 to
TLD100



Connection Diagram



Connection Diagram



Network*
POE IEEE 802.3af and
IEEE 802.3at compatible**

POE out
AF up to 5.95 Watts (124mA)
AT up to 17.5 Watts (365mA)

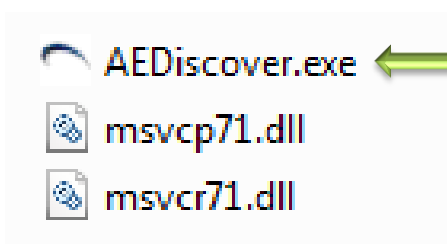
***Note:** Because of the POE pass through feature, it is important to insure that the network is connected to the correct jack

**** Settable via Internal hardware switch**
The MS-200 consumes 7 Watts of POE power (124mA)

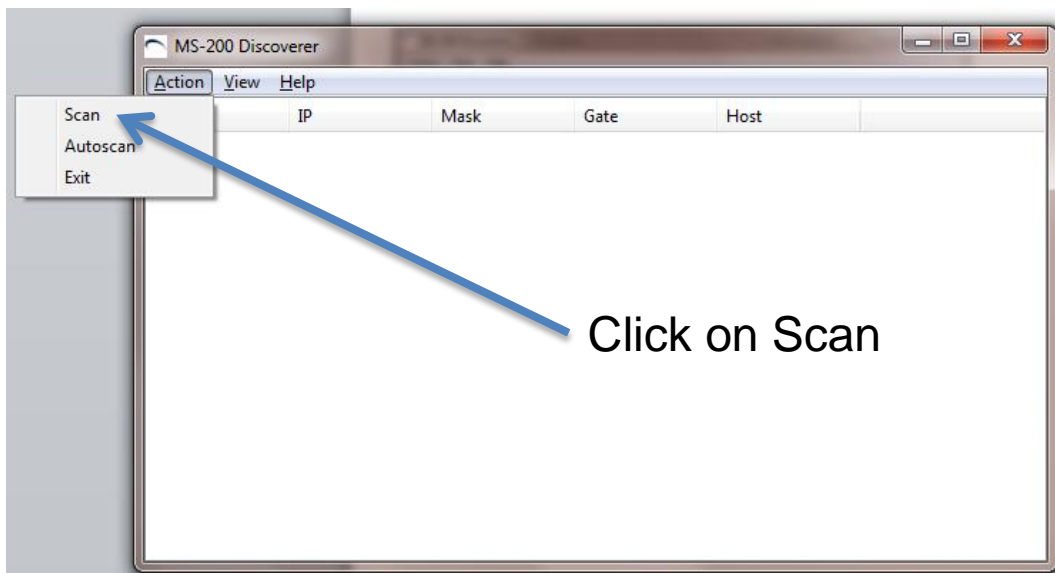
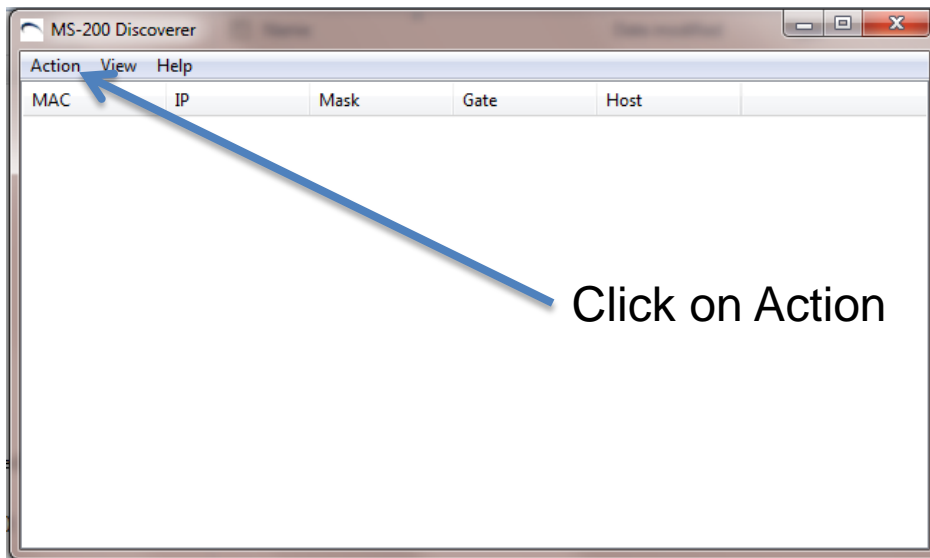
For AF, the MS-200 uses 148mA that is 7 Watts. You have 5.95 Watts left (124mA.)
For AT the MS-200 uses 148mA. You have 17.5 Watts left (365mA.)

Discovering the MS-200

- The MS-200 has software that allows you to discover it on the network
- This allows you to find out what IP address it has been assigned by the DHCP server
 - Locate the MS-200 discovery tool by downloading from:
<http://www.audioenhancement.com/wp-content/uploads/InstallationFiles/MS200-discovery-tool.zip>
 - Open the Folder, and Run the AEDiscover.exe application

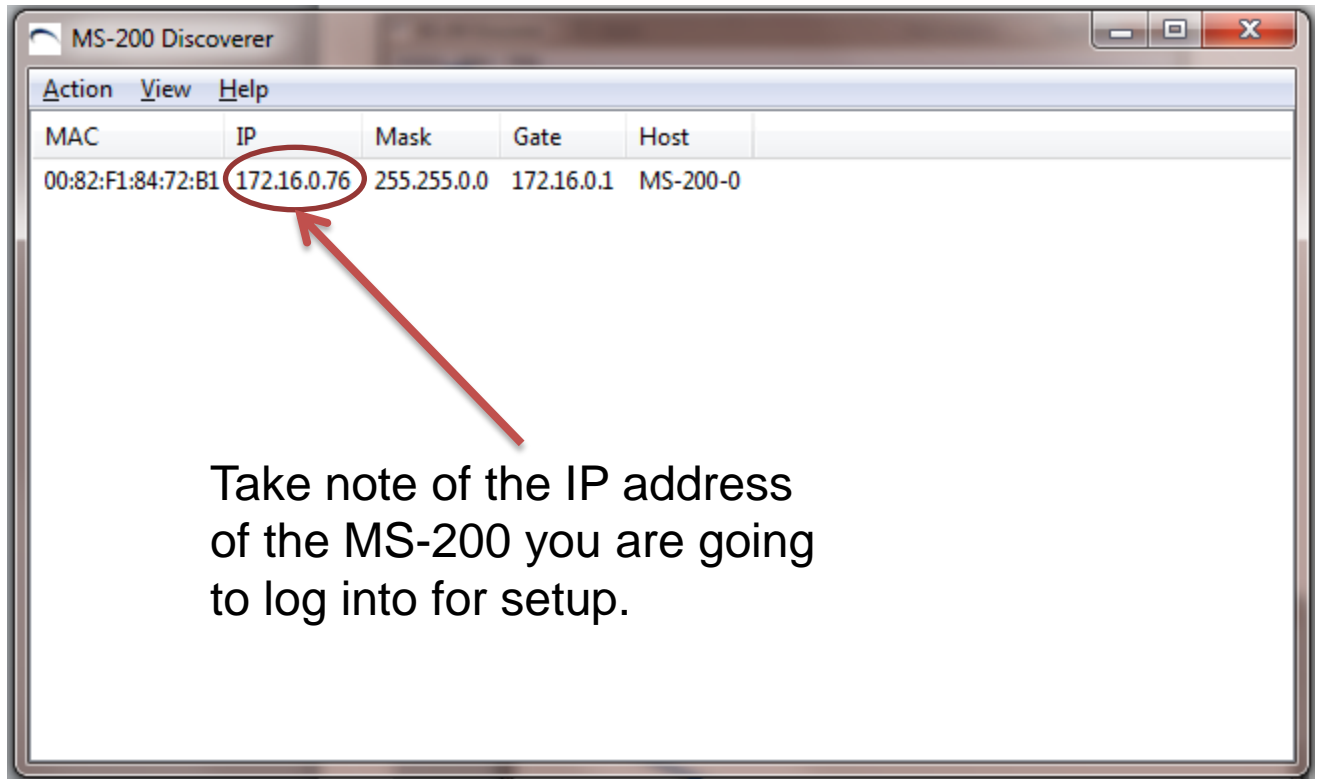


Using the MS-200 Discover Software



The Discover software will scan the network and find any available MS-200 Network Interfaces

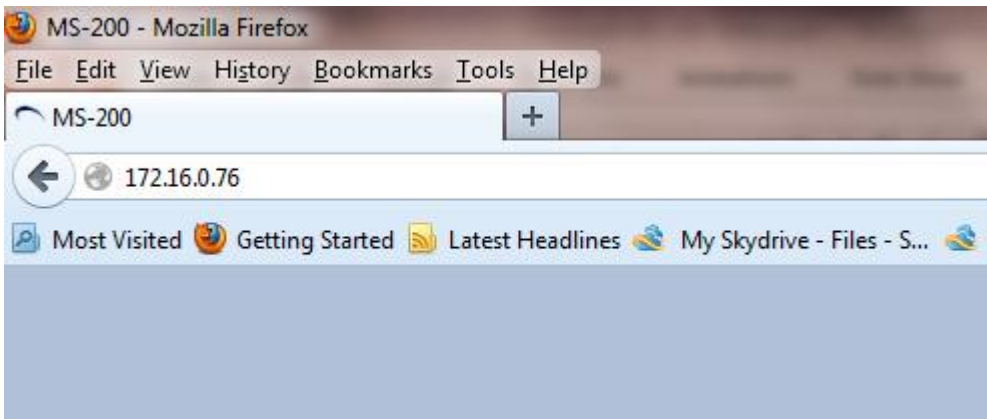
Using the MS-200 Discover Software



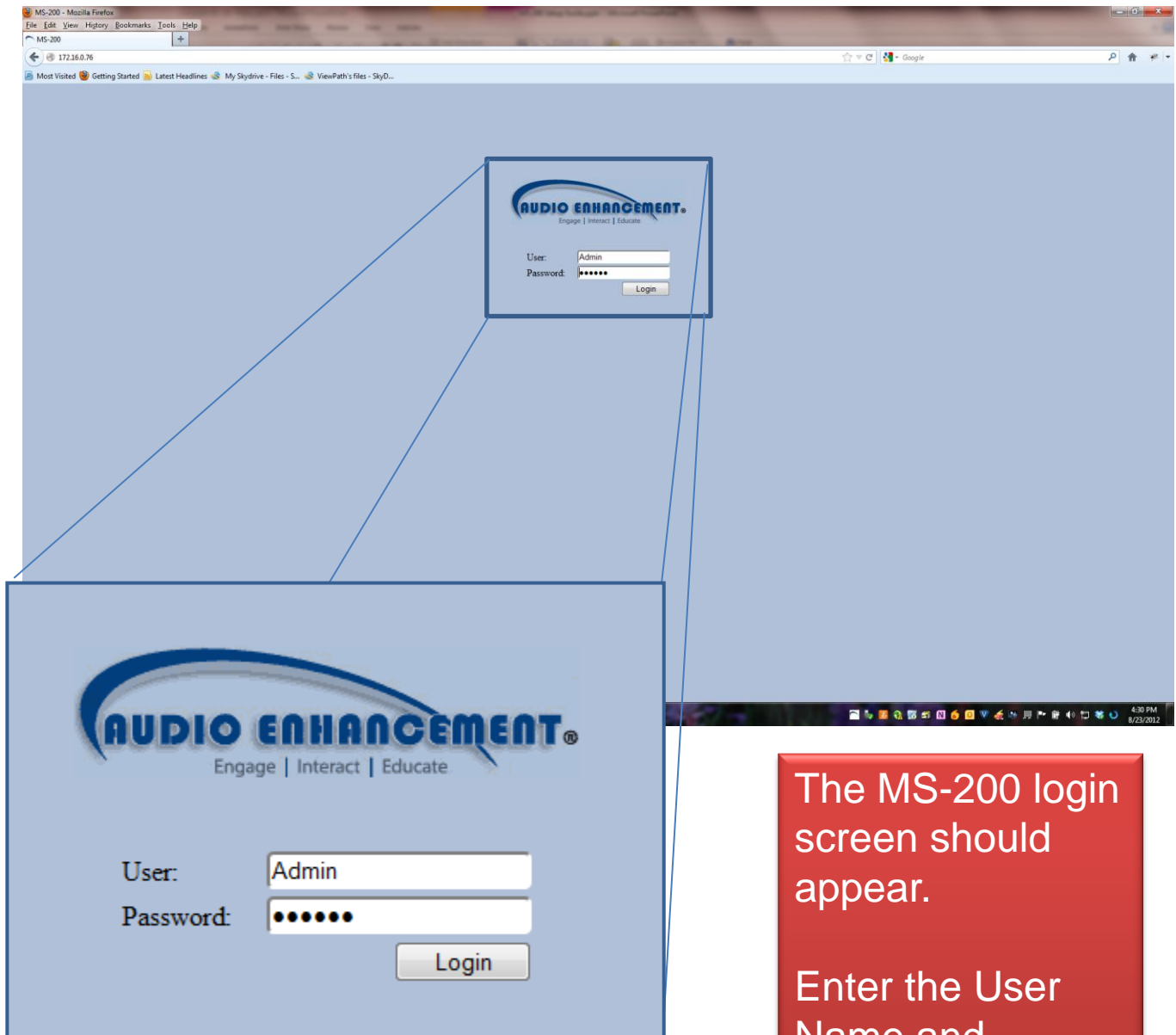
Browser Access to the MS-200

Enter the IP address into
your internet browser

Press Enter



Browser Access to the MS-200



The MS-200 login screen should appear.

Enter the User Name and Password

Press Login

Default Information

(Case Sensitive)

User Name: Admin

Password: audioe

Browser Access to the MS-200

The initial System Information screen should appear

System - Information

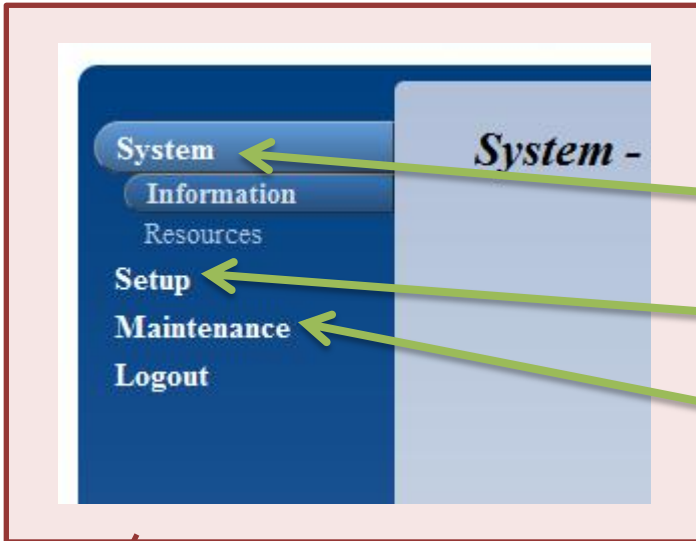
Device	
Name	AE-Classroom
Model	MS-200 D
Serial	
Firmware	v1.00.24

Location	
Organization	Washington Elem
Room	115

Manufacturer	
Name	Timpview Technologies
Website	www.timpviewtechnologies.com
Support	1-877-676-5576

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MS-200 Interface

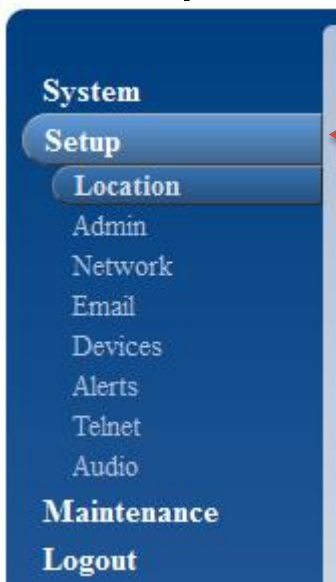


The MS-200 Interface has 3 main sections:

- System
- Setup
- Maintenance



Setup – Location



The Setup – Location screen allows you to enter or change the assigned location of this particular MS-200.

It also allows you to select the Time Zone, and turn on/off the Daylight Savings Time Adjustment

Setup - Location

Location

Organization Name	<input type="text" value="Washington Elem"/>
Building	<input type="text"/>
Room	<input type="text" value="115"/>
Class	<input type="text"/>
Postal Address	<input type="text"/>

Time Zone ☐ Daylight Savings

Other Information

After making a change, press the Submit button to send the changes to the MS-200

Submit

Setup – Network

System

Setup

Location

Admin

Network

Email

Devices

Alerts

Telnet

Audio

Maintenance

Logout

The Setup – Network screen allows you to manage the network settings of this MS-200.

When making changes to the network screen – the MS-200 will automatically reboot after the Submit button has been pressed – this can take up to two minutes and requires you to re-log into the MS-200 via your browser.

Setup - Network

Network

Host Name

Type

Select DHCP or Static according to your internal network policies

IP Address

Subnet Mask

Gateway Address

DNS Primary

DNS Secondary (Optional)

Time Server (Optional)

If you are using Static IP, then the remaining network information will need to be filled in manually.

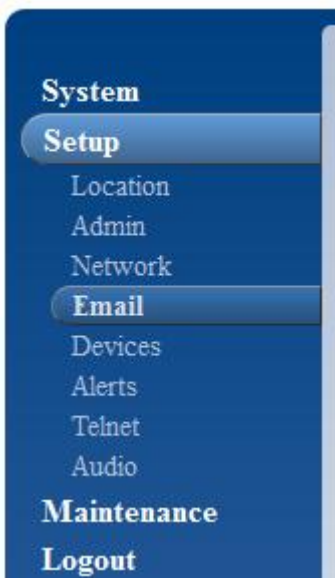
After making a change, press the Submit button to send the changes to the MS-200

The Time Server is optional. For the mic usage assessment feature, the system needs a time server. The system will try to find one automatically by finding a list of public time servers. However, if the system is behind a firewall that blocks port 123, an internal time server needs to be put here.

Tools ≡

Submit

Setup – Email



The Email Screen allows you to setup the **outbound** e-mail account settings, or SMTP. This is the email server and account that the MS-200 will use to send event messages.

(Event messages and the recipients of those messages will be specified on the Alerts screen)

The MS-200 has been configured to handle most email server requirements including SSL Authentication required by public email services such as Gmail.

1st Step is to select the appropriate email service that you will be subscribing to. For Microsoft Exchange or other in house email clients, select 'Custom Settings'.

Setup – Email

System

Setup

Location

Admin

Network

Email

Devices

Alerts

Telnet

Audio

Maintenance

Logout

Gmail and the other common email clients will be auto-populated with their commonly used settings. If for some reason these are not correct simply select 'Custom Settings' and enter the correct settings.

Setup - Email

Enter
Outbound
email account
information
here

Email

Provider	GMail
User	tdobson99@gmail.com
Password	••••••••
Email Address	tdobson99@gmail.com
Authentication	SSL
Host	smtp.gmail.com
Port	465

The email address is auto-populated from the User field

Tools ≡

Submit

Setup – Devices

MS-1000

System

Setup

Location

Admin

Network

Email

Devices

Alerts

Telnet

The Setup – Devices screen is where you program the MS-200 to send trigger information when an event occurs. The most common Device specified is the MS-1000.

Setup - Devices

Modify Device

Name

Type

Address / Port

Del

Save

The MS-200 will automatically scan the network for available MS-1000 systems. Use the Address/Port pull down menu to select the correct MS-1000 for this MS-200 to send the alert signal.

Existing Devices

Tom's Table MS1000
[Add New]

Once a device has been defined and saved, it will be listed in the 'Existing Devices' section of this page

To modify a device, select the device from this list, and then make the necessary changes in the Modify Device section of this page. Once changes are made, be sure to hit the Save button.

Tools ≡

Setup – Devices FTP

System

Setup

Location

Admin

Network

Email

Devices

Alerts

Telnet

Audio

Maintenance

Logout

The Setup – Devices screen is where you program the MS-200 to send trigger information when an event occurs. The FTP server is for dumping the Mic Activity Log

Modify Device

Name

Type

Address / Port

User (Optional)

Password (Optional)

Type in the DNS name or IP address of the FTP server, Username and Password if required

Save

Existing Devices

Tom's Desk
FTP Log
[Add New]

Once a device has been defined and saved, it will be listed in the 'Existing Devices' section of this page

To modify a device, select the device from this list, and then make the necessary changes in the Modify Device section of this page. Once changes are made, be sure to hit the Save button.

Tools

Panic Button Alert

To Setup a Panic Button Alert

The Setup – Alerts screen is used to setup the different events that the MS-200 is going to report on. There is currently only one so there the drop down is grayed out. You will be using the Devices you setup Previously

Setup - Alerts

Modify Alert

Event Panic Button

Device Tom's Table MS1000

Device Message \${org} \${bld} \${room} \${class}

Email Recipient Tom.Dobson@AudioEnhance

Email Message \${evt} event from
\${org} \${bld} \${room}
\${class}

☐ Requires sustained alert signal

Del

Save

Existing Alerts

End Of Day -> / Tom.Dobson@AudioEnhancement.com
Panic Button -> Tom's Table MS1000 /
[Add New]

To enter a new e-mail address, select 'New' from the drop down list

See next page for a description of the panic alert syntax that is auto populated

Tools

The syntax, auto-populated when you create an alert, causes parameters entered in the MS-200 Setup – Location screen to be included in the body of the email:

Setup - Location

Location	
Organization Name	Washington Elem
Building	George HS
Room	115
Class	Math

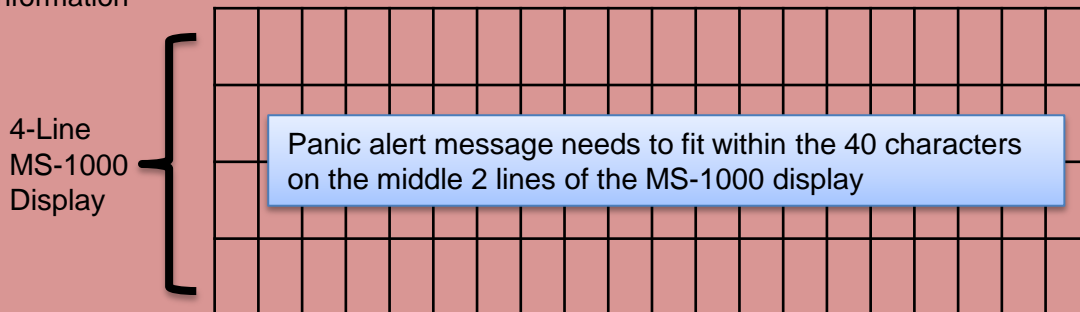
`{evt}` event from `{org}` `{bld}` `{room}` `{class}`

Panic Button event from Washington Elem

George HS Room 115 Math

MS-1000 Character Limitations

When determining the information to be transmitted to the MS-1000 during a panic alert, it is important to remember that the MS-1000 has a character limitation of 40 characters for display of the panic alert information



Alert Syntax

Setup - Alerts

Modify Alert

Event

Device

Device Message

Default

Due to the character limit on the MS-1000 Display, you may want to consider one of the following:

- 1 – Create your own custom message and enter it into the Device Message window
- 2 – Delete the \${ORG} portion of the data string, which will eliminate the Organization Name from being displayed on the MS-1000
- 3 – Change the order of the information being displayed

Device

Device Message

Device

Device Message

Device

Device Message

Usage Tracking System

Example of Usage Tracking System Email Data

-----Original Message-----

From: MS-200 [mailto:tdobson99@gmail.com]

Sent: Thursday, August 23, 2012 4:01 PM

To: Tom Dobson

Subject: End Of Day Alert

End Of Day event from Gwinnett County Public Schools Gwinnett High School Room 15 Mr. Hayward

"Mic Activity",0001

562397737649,"MS-200-0082F18472B1","MS-200 D",10000512,"1.00.07"

"Washington School District", "Washington Elem", "Room 115", "Mr. Tom", "1234 Washington Street", "Testing"

"2012-08-23 16:00:28 -0600",1,1

"2012-08-23 16:00:31 -0600",1,0

"2012-08-23 16:00:37 -0600",1,1

"2012-08-23 16:00:49 -0600",1,0

"2012-08-23 16:00:52 -0600",1,1

"2012-08-23 16:00:55 -0600",1,0

"2012-08-23 16:00:58 -0600",1,1

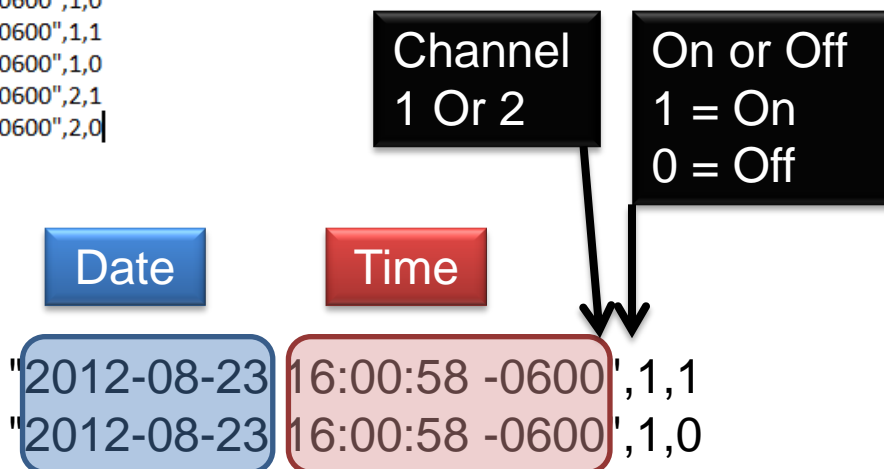
"2012-08-23 16:00:58 -0600",1,0

"2012-08-23 16:00:58 -0600",1,1

"2012-08-23 16:00:58 -0600",1,0

"2012-08-23 16:00:58 -0600",2,1

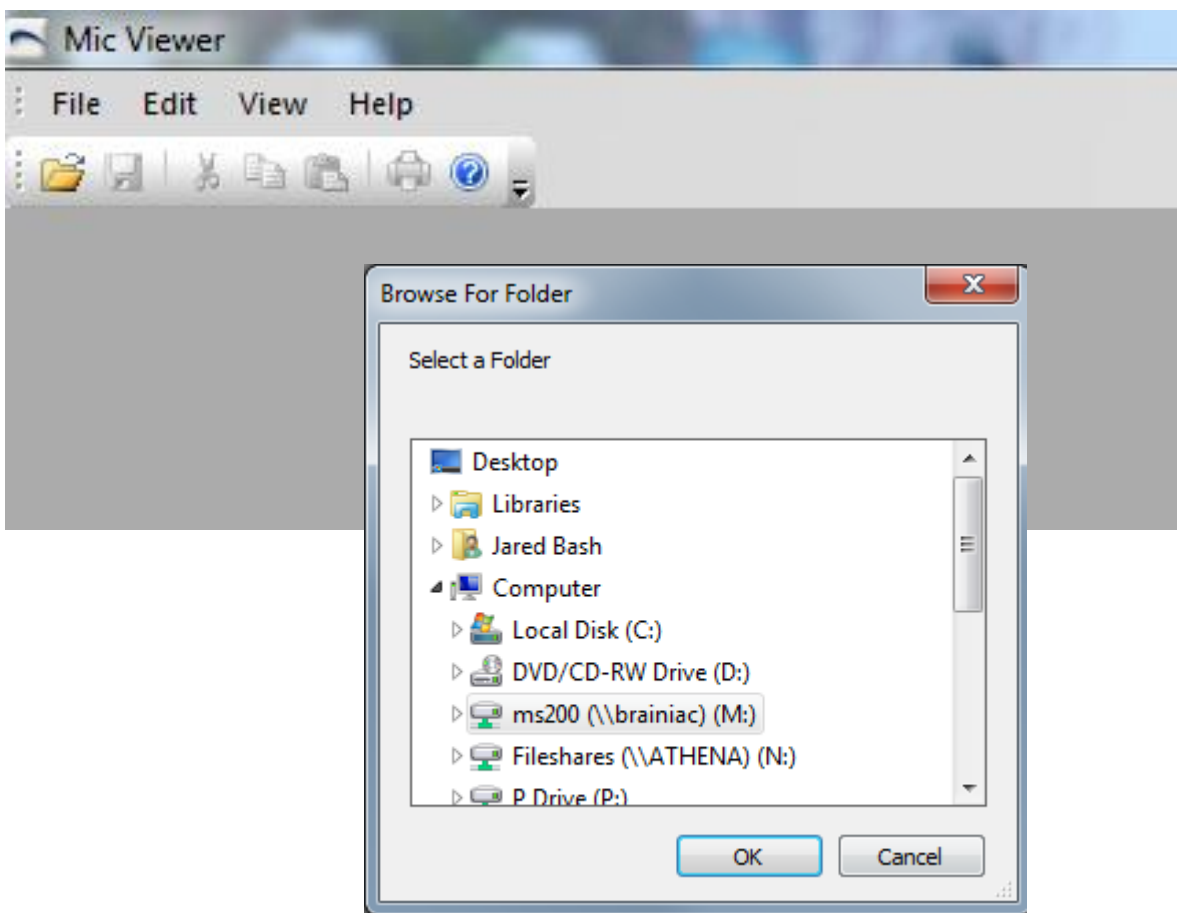
"2012-08-23 16:01:58 -0600",2,0



Mic Viewer Software

Open the Mic Viewer Software and click on File then open Folder.

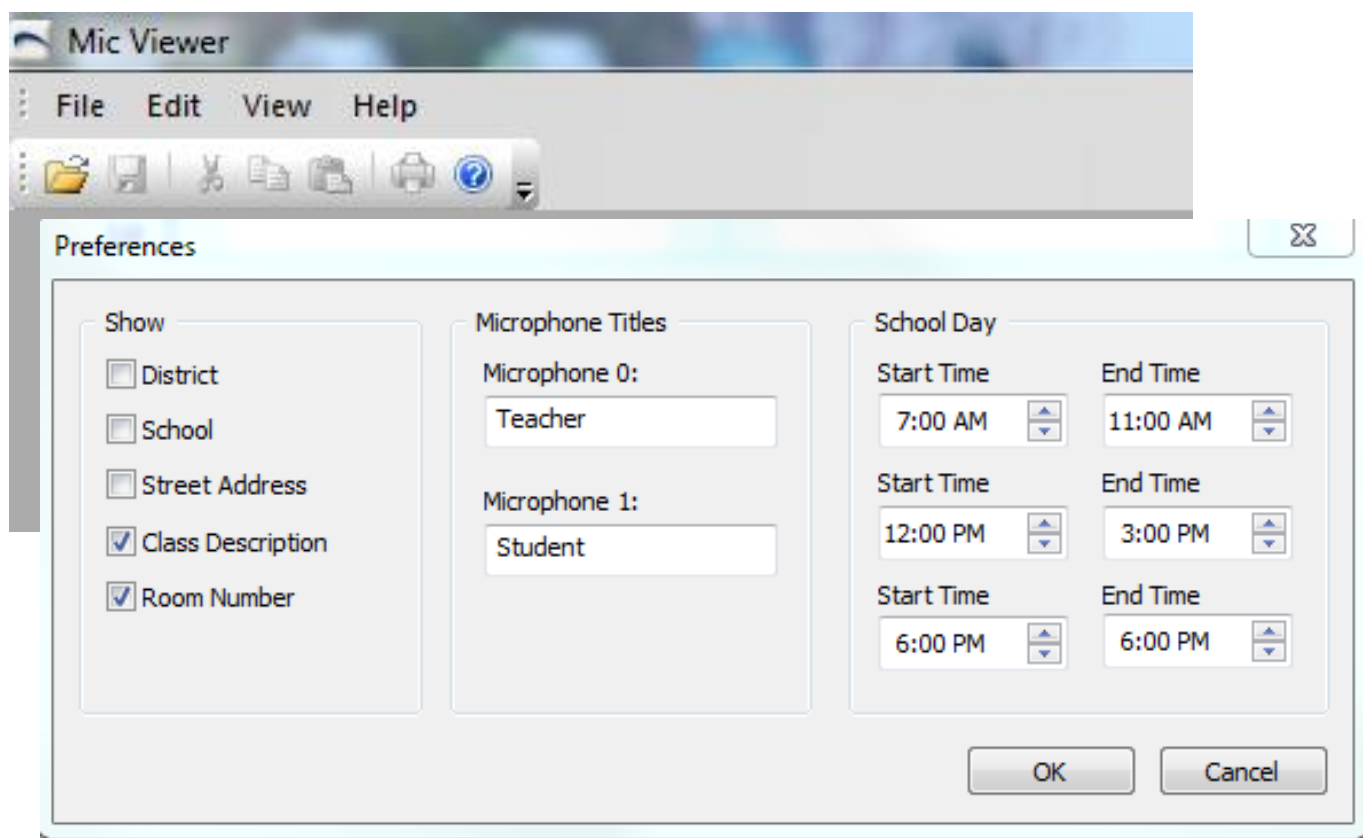
Browse to your Stored location of the Mic Activity files and click ok



Mic Viewer Software

Click on Edit then Preferences

Here you can change how you view the reports and set up school days



Mic Viewer Software

The screenshot shows the Mic Viewer software window with a menu bar (File, Edit, View, Window, Help) and a toolbar. The main display area shows a table of data for 'Computer Science' and 'Teacher Mic' across three dates: 08 August 2012, 09 August 2012, and 10 August 2012. The table includes columns for 'Total Hours', 'Average Hours', and 'Day/Week'. Below the table, there are three blue callout boxes with red arrows pointing to specific features in the software interface.

Specify Date Range
Start Date: End Date:

Select File Directory

Select Rooms to Display

The User would select the date range of the data they want displayed

The User would select the file directory that contains the data downloaded from the MS-200s' that they want displayed

Based on the file names contained in the directory, the software will populate a list of rooms that have valid data available for display.

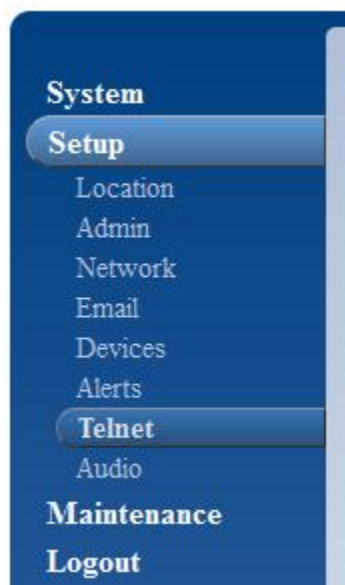
The user can select one, several or Select All.

Under the 'View' Menu, 'View School Day' Selection, the User can define the start and stop times for the school day. Based on these selections, the software will calculate the number of minutes in the school day and will also calculate the average per day and per week usage.

A week is equal to the number of minutes per day, multiplied by 5.

School Day
Start Time: End Time:
Start Time: End Time:
Start Time: End Time:
Start Time: End Time:
Start Time: End Time:

Setup – Telnet



This screen enables or disables communication with the MS-200 and IR-Satellite via a Telnet interface.

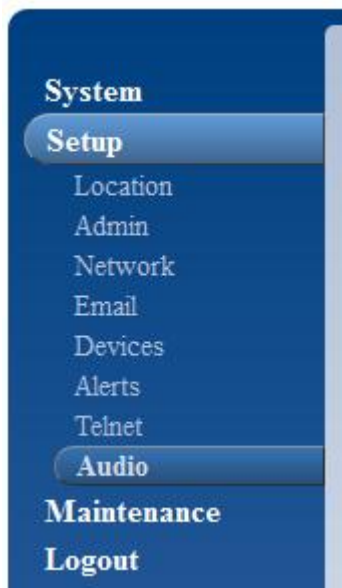
Setup - Telnet

Telnet Interface

Access	<input checked="" type="checkbox"/> Enabled
Port	<input type="text" value="23"/>
Protocol	<input type="text" value="Auto"/>
Timeout	<input type="text" value="300000"/>
Authentication	<input type="text" value="Plain"/>

Submit

Setup – Audio



The Setup – Audio screen allows you to select the audio encoding format, and setup the Mic Activity Logs

Currently, only the Ogg Vorbis encoder is active in the system – this is a universal encoding format that is **audible** in most standard internet browsers.

Click on the 'Play' Button, or Click on the link to listen to the encoded audio coming from the MS-200

The screenshot shows two configuration sections:

- Audio Output:**
 - Streaming: ☒ Enabled
 - Authentication: ☒ Enabled
 - Encoding: Dropdown menu showing "Ogg Vorbis"
 - Bandwidth: Dropdown menu showing "10 kbps (default)"
 - Stream: <http://172.16.0.134/audio>
- Mic Level:**
 - Gain Type: Dropdown menu showing "Auto"
 - Max Gain: Input field showing "0.00" dB

Annotations with green callouts:

- Play Button:** Points to the play icon next to the stream URL.
- Link to Audio Stream:** Points to the URL <http://172.16.0.134/audio>.
- Gain Settings:** Points to the Max Gain input field.

Setup – Audio



The Setup – Audio screen allows you to select the audio encoding format, and setup the Mic Activity Logs

There will be 2 options to send the Mic Activity Log but they will only show up if you have created the devices.

Email and FTP

You can choose which one fits your install. I suggest FTP. Set the time and frequency to send the logs

A screenshot of the 'Mic Activity Log' configuration screen. It features four input fields: 'Send To' (a dropdown menu showing 'FTP Log'), 'Directory' (a text box containing 'MS200'), 'Frequency' (a dropdown menu showing 'Daily'), and 'Time' (a dropdown menu showing '12:00 AM'). A green callout box with an arrow pointing to the 'Send To' dropdown contains the text 'Click here to chose which one'. Another green callout box with an arrow pointing to the 'Directory' text box contains the text 'Directory inside FTP folder or Email address if Email is selected'. A 'Submit' button is located at the bottom right of the form.

System - Information

System
Information
Resources
Setup
Maintenance
Logout

The System - Information screen provides basic information about the device and where it has been assigned.

System - Information

Device

Name	AE-Classroom
Model	MS-200 D
Serial	
Firmware	v1.00.24

Building and Room Assignments
(These are configured in the Setup – Location screen)

Location

Organization	Washington Elem
Room	115

Manufacturer

Name	Timpview Technologies
Website	www.timpviewtechnologies.com
Support	1-877-676-5576

System – Resources

System

Information

Resources

Setup

Maintenance

Logout

System resources provides an overall view of the network assignments and resources that the MS-200 is utilizing.

System

Information

Resources

Setup

Maintenance

Logout

System - Resources

Connections

R2D2 Satellite	Connected
Principals Office	Connected
FTP	Connected
SMTP Server	Connected
Time Server	Connected

These three indicators show if you are connected to an IR-Satellite, email server (SMTP), and an MS-1000.

(2012-11-06 15:05:29)

Memory

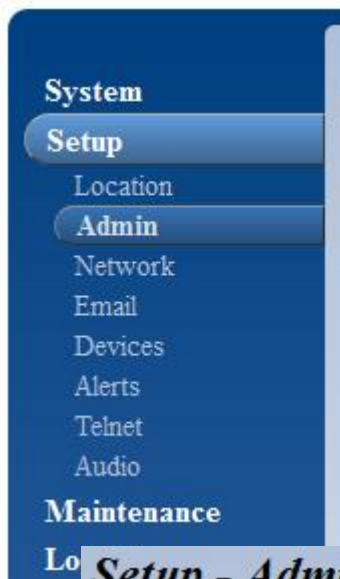
Total	130816 Bytes
Used	65248 Bytes
Free	65568 Bytes

Network

MAC Address	00:82:F1:84:72:E2
Connection	Static Assignment
IP Address	172.16.0.100
Subnet Mask	255.255.0.0
Gateway	172.16.0.1
DNS1	172.16.0.246
DNS2	172.16.0.253

Network Assignments
(These are typically assigned by DHCP, but can be manually configured in the Setup Network screen)

Setup – Admin



The Setup – Admin screen allows you to manage the administrative functions of this MS-200

Setup - Admin

Login Information

User Name	<input type="text" value="Admin"/>
Current Password	<input type="text" value="no change"/>
New Password	<input type="text" value="no change"/>
Re-enter Password	<input type="text" value="no change"/>

Contact Information

Admin Name	<input type="text"/>
Job Title	<input type="text"/>
Department	<input type="text"/>
Email Address	<input type="text"/>
Phone	<input type="text"/> Ext <input type="text"/>

After making a change,
Press the Submit button
to send the changes to
the MS-200

Maintenance – Logs

System
Setup
Maintenance
Logs
Firmware
Tools
Logout

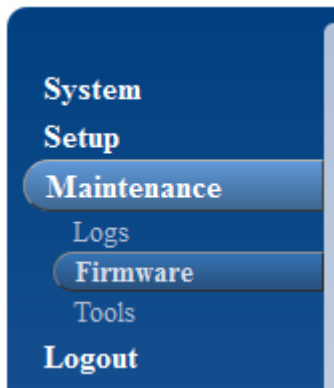
View a log of recent network activity

Maintenance - Logs

Recent Activity

```
1969-12-31 19:00:07 - Resetting Device Configuration (Reason: Reset Button)
2012-08-22 17:43:28 - System Startup as "MS-200-0082F18472B1" at 172.16.0.1
2012-08-22 17:44:05 - User Login as "Admin" from 172.16.0.167
2012-08-22 17:44:24 - Upload/Program System Firmware
2012-08-22 17:44:24 - System Shutdown (Reason: User requested firmware update)
2012-08-22 17:45:53 - System Startup as "MS-200-0082F18472B1" at 172.16.0.1
2012-08-22 17:46:18 - User Login as "Admin" from 172.16.0.167
2012-08-22 17:50:15 - System Startup as "MS-200-0082F18472B1" at 172.16.0.1
2012-08-22 17:51:11 - User Login as "Admin" from 172.16.0.112
2012-08-22 17:52:11 - Modified Device Configuration (Reason: User request)
2012-08-22 17:52:53 - Modified Device Configuration (Reason: User request)
2012-08-22 17:53:34 - Modified Device Configuration (Reason: User request)
2012-08-22 17:53:46 - Modified Device Configuration (Reason: User request)
2000-01-01 01:00:00 - Set System Time Failed (pool.ntp.org, attempts=8)
2000-01-01 01:00:00 - System Startup as "MS-200-0082F18472B1" at 192.168.1.150
2000-01-01 01:01:02 - User Login as "Admin" from 192.168.1.150
2000-01-01 01:03:00 - Upload/Program System Firmware
2000-01-01 01:03:00 - System Shutdown (Reason: User requested firmware update)
2012-08-22 22:35:29 - System Startup as "MS-200-0082F18472B1" at 192.168.1.150
2012-08-22 22:37:05 - User Login as "Admin" from 192.168.1.150
2012-08-22 22:43:55 - User Login as "Admin" from 192.168.1.104
2000-01-01 01:00:00 - Set System Time Failed (pool.ntp.org, attempts=8)
2000-01-01 01:00:00 - System Startup as "MS-200-0082F18472B1" at 172.16.0.7
2000-01-01 01:08:03 - User Login as "Admin" from 172.16.0.82
2000-01-01 01:00:00 - Set System Time Failed (pool.ntp.org, attempts=8)
2000-01-01 01:00:00 - System Startup as "MS-200-0082F18472B1" at 172.16.0.7
2000-01-01 01:00:50 - User Login as "Admin" from 172.16.0.82
2000-01-01 01:08:42 - Modified Device Configuration (Reason: User request)
2000-01-01 01:08:54 - Modified Device Configuration (Reason: User request)
2000-01-01 01:00:00 - Set System Time Failed (pool.ntp.org, attempts=8)
2000-01-01 01:00:00 - System Startup as "MS-200-0082F18472B1" at 172.16.0.7
```

Maintenance – Firmware



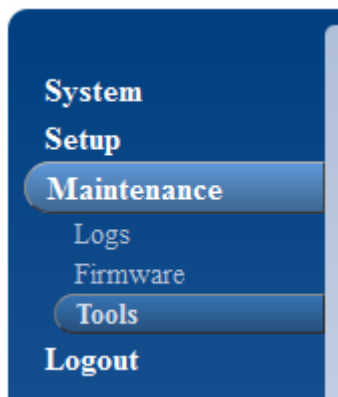
The Maintenance - Firmware screen allows you to see the version of firmware currently being run on the MS-200 as well as perform updates of that firmware.

Firmware updates require the MS-200 to be connected to the Internet and capable of passing data through Port 80.



This screen also allows you to save your settings, re-load previously saved settings, and perform a reset of the MS-200.

Maintenance - Tools



The Maintenance – Tools screen allows you to perform a reboot of the MS-200.

Maintenance - Tools

Device

Reboot System

Reboot..

Network

Ping Host

Ping



MS-200

Telnet Interface Documentation

Accessing the Telnet Interface

- Activating Telnet in Windows
 - Telnet Client is not installed by default on Windows 7, Windows Server 2008 R2, Windows Vista, or Windows Server 2008. The procedures to install Telnet Client vary based on the operating system you are using:
 - Use this link to access this information on the Microsoft web site
 - <http://technet.microsoft.com/en-us/library/cc771275%28v=ws.10%29.aspx>

▲ Install Telnet Client on Windows 7 or Windows Vista

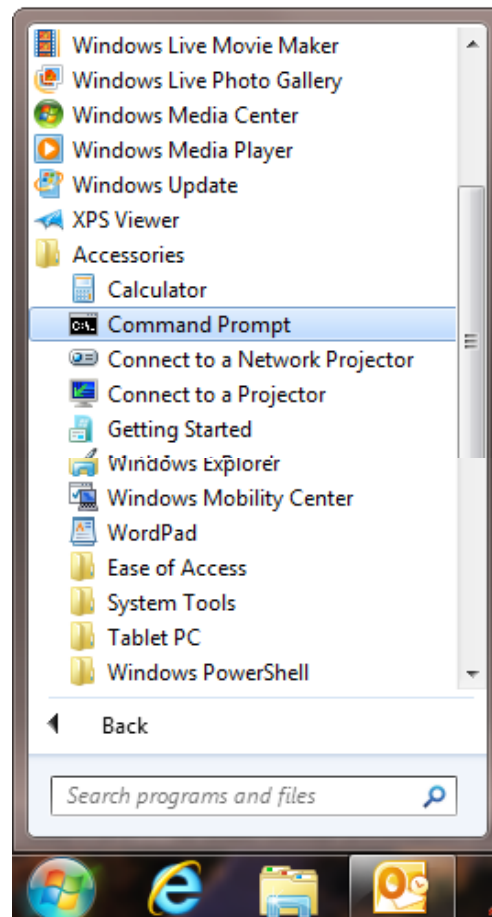
On Windows 7, Windows Vista, you can use the Windows Features tool to install optional components.

▲ To install Telnet Client on Windows 7 or Windows Vista

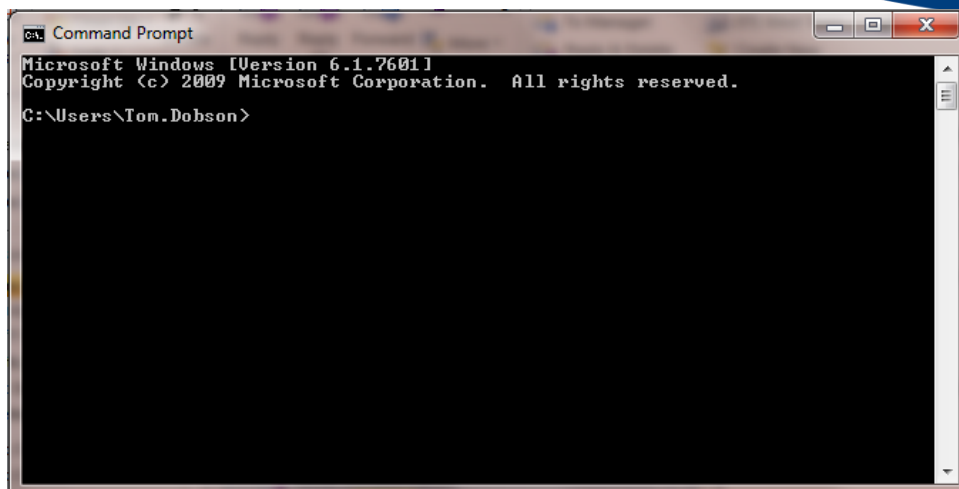
1. Click **Start**, and then click **Control Panel**.
2. On the **Control Panel Home** page, click **Programs**.
3. In the **Programs and Features** section, click **Turn Windows features on or off**.
4. If the **User Account Control** dialog box appears, confirm that the action it displays is what you want, and then click **Continue**.
5. In the **Windows Features** list, select **Telnet Client**, and then click **OK**.

Using Telnet

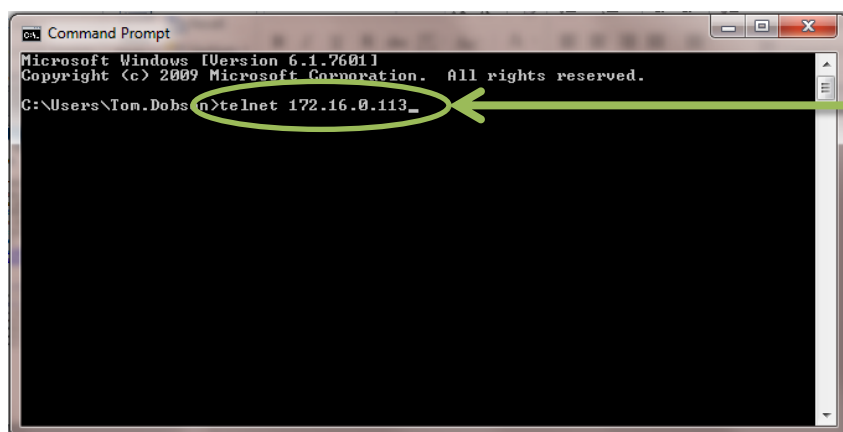
- Once the Telnet Client is activated, you can access it from the command prompt in the Windows Start menu
 - Windows Start Menu
 - All Programs
 - Accessories
 - » Command Prompt



Command Prompt



- Once the command prompt has opened – Enter the following to access the MS-200
 - telnet [IP address]



- Press Enter

Command Prompt

- The Telnet interface is now open. A Login and password are required to access the MS-200
 - The Login is the User Name defined in the Admin screen of the MS-200 browser GUI Interface

```
MS-200 System      Build: 2012-09-05 13:23:58
Resources          65292 bytes free (of 130816)
Device Address     172.16.0.113
Client Address     172.16.0.84
Connection Time    2000-01-01 01:16:24
Inactivity Timeout 300000 milliseconds

AUTH=PLAIN, TOKEN=
Login: _
```

AUDIO ENHANCEMENT®
Engage | Interact | Educate

System
Setup
Location
Admin
Network
Email
Devices
Alerts
Telnet
Audio

Setup - Admin

Login Information

User Name	Admin
Current Password	no change
New Password	no change
Re-enter Password	no change

Defaults:
User Name/Login: Admin
Password: audioe

Telnet Commands

- **ALERT**
 - Usage:
 - Alert
 - (Enter Alert command shell, type "done" to exit)
 - Alert list
 - (Lists all the alerts in the system)
 - Alert get [index]
 - (Displays the parameters of an alert)
 - Alert set [index] [event_type_id] [device_id] ["dev message"] ["email recip"] ["email message"]
 - (Updates parameters of an existing alert)
 - Alert add [event_type_id] [device_id] ["dev message"] ["email recip"] ["email message"]
 - (Adds a new alert to the system)
 - Alert del [index]
 - (Removes an existing alert)
- **DATE**
 - Usage:
 - Date
 - (Displays the system Date and Time, same as TIME)
- **DEVICE**
 - Usage:
 - Device
 - (Enter Device command shell, type "done" to exit)
 - Device list
 - (Lists all the devices in the system)
 - Device get [index]
 - (Displays the parameters of a device)
 - Device set [index] [name] [type] [host] [port]
 - (Updates parameters of an existing device)
 - Device add [name] [type] [host] [port]
 - (Adds a new device to the system)
 - Device del [index]
 - (Removes an existing device)

Telnet Commands

- DOMECONTROL

- Usage:

- DomeControl
 - (Enter DomeControl command shell, type "done" to exit)
 - DomeControl \$[CMD]:[1]:[2]
 - (Sends a command to the satellite/dome, as defined by the satellite dome hardware unit)
 - See the IR-Satellite Manual - RS-232 Command section for a list of commands
 - DomeControl SAFE_ACK
 - (Triggers a safe acknowledge signal on the satellite/dome)

- EXIT

- Usage:

- Exit
 - (Terminates the telnet command shell interface)

Telnet Commands

• EVENT

– Usage:

- Event [event_type_id]
 - (Triggers a system event)

Setup - Alerts

New Alert

Event: Panic Button Safe Acknowledge Panic Button Dome Change Connection Mic Signal End Of Day

Device: _____

Device Message: _____

Email Recipient: [None]

Email Message:

☐ Requires sustained alert signal

Event ID's –
Correlated to the
GUI Interface

- 0
- 1
- 2
- 3
- 4
- 5

To trigger an event manually from the Telnet Interface

- Log into the Telnet Interface
- From the main screen Type
 - Event 1 *(to trigger a Panic button event)*
 - Press Enter
 - *To trigger a different type of event, simply change the number*

Telnet Commands

- **HELP**
 - Usage:
 - Help
 - (Lists commands available through the telnet command shell)
 - Help [command]
 - (Displays some very basic usage information for [command])
- **LOG**
 - Usage:
 - Log [read]
 - (Lists entire contents of the system log)
 - Log [add] [text]
 - (Adds a new line to the system log)
- **PING**
 - Usage:
 - Ping [host]
 - (Performs a network ping on a host/IP on the network/internet)
- **RESTART**
 - Usage:
 - Restart
 - (Restarts the MS-200 device)
 - Restart [milliseconds]
 - (Restarts the MS-200 device after the specified delay)

Telnet Commands

- **SYSCONFIG**

- Usage:

- SysConfig
 - (Enter SysConfig command shell, type "done" to exit)
 - SysConfig get all
 - (Lists all properties and values)
 - SysConfig get property.name
 - (Gets the value of a property)
 - SysConfig set property.name=value
 - (Sets the value of a property)
 - SysConfig commit
 - (Writes changes to flash memory)
 - SysConfig rollback
 - (Reverses uncommitted changes)
 - SysConfig reset
 - (Resets all property values to defaults)

- **TIME**

- Usage:

- Time
 - (Displays the system Date and Time, same as DATE)